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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
HEFFINGTON, JOHN M	

ART UNIT	PAPER NUMBER
2179	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/789,135	OLANDER ET AL.	
	Examiner	Art Unit	
	JOHN M. HEFFINGTON	2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 September 2008*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-40* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-40* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *4/28/08, 5/22/08,9/18/08, 10/07/08, 10/17/08, 10/28/08, 21/01/08* .
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

This action is in response to request for continued examination filed 18 September 2008. Claims 1, 14, 27 and 40 have been amended. Claims 1-40 are pending and have been considered below.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 19 September 2008 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Popp et al. (US 6,249,291 B1) in view of mhaTabPane (cited PDF document) (http://users.cybercity.dk/~dsl58854/articles/mhaTab/mhaTabPane.html, http://users.cybercity.dk/~dsl58854/articles/mhaTab/readme.html).

Claims 1, 14, 27 and 40: Popp discloses a method, machine readable medium having instructions stored thereon for accepting a request, comprising:

a. mapping the request to a control tree factory (column 8, lines 17-22, lines 38-44);

b. generating a control tree from the factory based on the request wherein the control tree can include at least one control (column 2, lines 34-44, column 10, lines 35-37, column 11, lines 26-35);

c. advancing the control tree through at least one lifecycle stage based on the request (column 12, lines 26-32);

d. generating a response wherein the response can be used to render at least a portion of a graphical user interface (GUI) (column 1, lines 43-54, column 8, lines 38-44, column 26, lines 31-35);

e. wherein the at least one control can represent a graphical element of the GUI, wherein (column 10, lines 35-37, column 2, lines 34-44, column 11, lines 26-35);

f. the controls of the control tree intercommunicate by raising events in a raise events lifecycle state, wherein (column 26, lines 15-18, lines 47-49, column 23, lines 67, column 24, lines 1-14, column 27, lines 8-12, column 30, lines 45-55, column 31, lines 7-10);

g. the raise events lifecycle state occurs before a render lifecycle state (column 22, lines 6-14, lines 28-36), wherein;

h. a raise event method is called to raise events in the raise events lifecycle stage (column 11, lines 26-30, column 29, line 67, column 30, lines 1-2);

but does not disclose

a. the control tree includes a portal control;

b. a desktop control that can provide one or more personalized views,

c. a look and feel containing a skin component and a skeleton component;

d. a booklet control including at least one page control, and;

e. a shell component to render elements surrounding a booklet produced by the booklet control in the desktop produced by the desktop control.

However, Popp discloses a root control class that defines data and behavior that is inherited by subclasses of the root class (column 18, lines 39-61), a root object that is instantiated as the root of the object tree, wherein the root object can be a group object (column 19, lines 61-67, column 20, lines 1-8). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add the control tree includes a portal control to Popp. One could have been motivated to add the control tree includes a portal control to Popp because a portal is the root object in a tree that contains a portal and portal would serve the same function and purpose as the root object in Popp.

Popp discloses allowing a Web page to change based on the client input (column 3, lines 15-16), an association that can be used to modify an object in an object tree by adding objects to the tree or modifying the objects that already exist in the tree (column 17, lines 30-34, lines 47-49), and rendering a web page from an object tree (column 12, lines 26-32). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add a desktop control that can provide one or more personalized views to Popp. One could have been motivated to add a desktop control that can provide one or more personalized views to Popp in order to give the user some control over the configuration and appearance of the dynamic web page that is returned

in the response because Bopp provides the capability to dynamically generate web pages based on user input.

Popp discloses that an object class can have behavior tht can be used to manipulate the HTML document, for example, an object class may have a method that varies the display characteristics of the HTML element (column 12, lines 15-19). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add a look and feel containing a skin component to Bopp. One could have been motivated to add a look and feel containing a skin component to Bopp to Bopp in order to give the user some control over the configuration and appearance of the dynamic web page that is returned in the response because Bopp provides the capability to dynamically generate web pages based on user input.

Bopp discloses representing HTML elements as HTML element objects wherein the properties of the objects are stored in instance variables and the object includes methods to manipulate the HTML object within an HTML document (column 11, lines 27-30). Further, Bopp discloses that an association can be used to modify the properties of objects in an object tree (column 10, lines 41-42). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add a look and feel containing a skeleton component to Popp. One could have been motivated to add a look and feel containing a skeleton component to Popp in order to

give the user some control over the configuration and appearance of the dynamic web page that is returned in the response because Bopp provides the capability to dynamically generate web pages based on user input.

Popp discloses a group extension for defining groups of HTML objects (column 15, lines 55-65), a root control class that defines data and behavior inherited by subclasses for controlling HTML elements (column 18, lines 42-53), and a root object that can be a group object (column 19, lines 63-64). mhaTabPane discloses known methods for using HTML, Cascading Style Sheets (CSS) and JavaScript (JS) for creating a booklet with a page control (Tabbed Pane). Pages 1-3 of the PDF for mhaTabPane disclose a description of the mhaTabPane in Danish, while pages 4-5 include the English translation of the relevant parts of the Danish pages. Pages 6-7 disclose the rendered webpage from the HTML/CSS/JS source code. Pages 8-10 disclose the source code of the rendered web page. Notice in the section "Architecture" of the English translation on page 4 of the PDF document that the tab panes "can be clicked as a dynamic panel." Further, notice that on page 6, the rendered web page includes tab panes that can be navigated by clicking on the tabs at the top of the page and displaying the data for the selected tab, as is well known in the art. This web page including tab panes corresponds precisely to the booklet disclosed in figure 1 of the instant application. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add a booklet control including at least one page control to Popp. One could have been motivated to add a booklet control including at least one page

control to Popp because Popp discloses using the system and methods to view email and a booklet or tabbed panel would be a useful graphical metaphor for viewing emails.

Pop discloses that a web page can be defined using an HTML component and each component generates and owns its own object tree of static elements and inserts its tree into the object tree that is used to generate the page (column 18, lines 17-24). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add a shell component to render elements surrounding a booklet produced by the booklet control in the desktop produced by the desktop control to Popp. One could have been motivated to add a shell component to render elements surrounding a booklet produced by the booklet control in the desktop produced by the desktop control to Popp because, as disclosed in Popp, a component is a distinct entity, that is, a first component representing an object tree is distinct from the web page component that the first component object tree is inserted into. In other words, the elements surrounding the first component would be rendered separately by the web page component and the first component would be rendered separately from the web page component.

Claims 2, 15 and 28: Popp and mhaTabPane disclose the method and computer readable of claims 1, 14 and 27 and Popp further discloses the step of generating a control tree from the factory comprises: creating a metadata representation of a control

tree; and constructing the control tree based on the metadata representation (column 10, lines 35-37, column 11, lines 37-45).

Claims 3, 16 and 29: Popp and MhaTabPane disclose the method and computer readable medium of claims 1, 14 and 27 and Popp further discloses: the request one of: an hypertext transfer protocol request (HTTP), simple mail transfer protocol request, an instant messaging request, a request based on a standard protocol; and a request based on a proprietary protocol; and the request originates from one of: a web browser, a instant messaging window, and a process (column 6, lines 49, column 4, lines 12-13).

Claims 4, 17 and 30: Popp and MhaTabPane disclose the method and computer readable medium of claims 1, 14 and 17, and Popp further discloses providing the response to a web browser (column 1, lines 43-54, column 4, lines 12-13, column 26, lines 31-35).

Claims 5, 18 and 31: Popp and MhaTabPane disclose the method of claims 1, 14 and 27, but do not disclose the control tree is driven through the at least one lifecycle stage by an interchangeable lifecycle component. However, Popp discloses that a client request can result in the invocation of an application in the server domain (column 7, lines 13-14) and that self contained modules, or components, can be accessed to

provide additional definition for the web page, wherein the modules can be shared by one or more web in a single application and/or across multiple applications executing on an application server or any other server (column 8, lines 63-67, column 9, lines 1-3). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add the control tree is driven through the at least one lifecycle stage by an interchangeable lifecycle component to Popp and Creating a tabbed panel. One could have been motivated to add the control tree is driven through the at least one lifecycle stage by an interchangeable lifecycle component to Popp and MhaTabPaneto give flexibility to the implementation of the application and modules that process a client request and specify the manner in which an object tree is traversed to render an web page.

Claims 6, 19 and 32: Popp and MhaTabPane disclose the method of claims 1, 14 and 27, but do not disclose the at least one control has an interchangeable persistence mechanism. However, Popp discloses that a client request can result in the invocation of an application in the server domain (column 7, lines 13-14) and that self contained modules, or components, can be accessed to provide additional definition for the web page, wherein the modules can be shared by one or more web in a single application and/or across multiple applications executing on an application server or any other server (column 8, lines 63-67, column 9, lines 1-3), and store state information independent of the web page across transactions (abstract, column 12, lines 47-48). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add the at least one control has an interchangeable persistence

mechanism to Popp and Creating a tabbed panel. One could have been motivated to add the at least one control has an interchangeable persistence mechanism to Popp and Creating a tabbed panel in order to offer greater flexibility in implementing the mechanism for storing state of the object tree across multiple transactions.

Claims 7: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 but does not disclose that the at least one control can render itself according to a theme. However Popp discloses that a component can have associated resources (e.g. template, associations, and custom logic) that are owned by that component (column 17, lines 55-57). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to add the at least one control can render itself according to a theme to Popp and MhaTabPane. One could have been motivated to add the at least one control can render itself according to a theme to Popp and MhaTabPane in order to offer a user predefined rendering patterns for the components of a web page.

Claims 8, 21 and 34: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 and Popp further discloses that one of the at least one controls can interact with another of the at least one controls (column 4, lines 7-9, column 11, lines 8-35).

Claims 9, 22 and 35: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 and Popp further discloses that one of the at least one controls can advance through the at least one lifecycle stage in parallel with another of the at least one controls (column 2, lines 34-44, column 10, lines 35-37, column 11, lines 26-35, column 12, lines 26-32).

Claims 10, 23 and 36: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 and Popp further discloses the lifecycle stage is one of: init, load state, create child controls, load, raise events, pre-render, render, save state, unload and dispose; and wherein the lifecycle stage is part of a dynamically configurable lifecycle (column 12, lines 26-32).

Claims 11, 24 and 37: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 and Popp further discloses the response is one of: an hypertext transfer protocol (HTTP) response, a simple mail transfer protocol response, an instant messaging response, a response based on a standard protocol, and a response based on a proprietary protocol (column 6, lines 49).

Claims 12, 25 and 38: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 and Popp further discloses controls can raise events and respond to events (column 26, lines 15-18, column 27, lines 8-12, column 30, lines 45-55, column 31, lines 7-10).

Claims 13: Popp and MhaTabPane disclose the method of claims 1, 14 and 27 and Popp further discloses the at least one control can be one of: Book, Page, Window, Menu, Layout, Portlet, Theme, Placeholder, Shell, LookAndFeel, Desktop, Body, Footer, Header, Head, Titlebar, ToggleButton, TreeView, TreeViewWithRadioButtons, TextBox, TextArea, Label, Button and Anchor (column 2, lines 41-42).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN M. HEFFINGTON whose telephone number is (571)270-1696. The examiner can normally be reached on Mon - Fri 8:00 - 5:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

12/5/08

/Ba Huynh/
Primary Examiner, Art Unit 2179